

FORM 1449 U.S. Department of Commerce Patent and Trademark Office OCT 21 2002 RECEIVED	Docket No. STEM1110-3	Serial No.: 09/932,172
	Applicants: Twardzik et al.	
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: August 17, 2001	Group Art Unit: 1646-1647

### U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
56	AA	4,742,003	05/03/1988	Derynck and Goeddel			
11	AB	4,749,683	06/07/1988	Murphy and Rhodes			
11	AC	4,863,899	09/05/1989	George J. Todaro			
11	AD	4,863,902	09/05/1989	Amagase et al			
11	AE	4,874,746	10/17/1989	Antoniades and Lynch			
11	AF	5,102,870	04/7/1992	Florine and Smith			
11	AG	5,229,493	07/20/1993	Folkman et al.			
11	AH	5,328,986	07/12/1994	Folkman and Shing			
11	AI	5,750,376	05/12/1998	Weiss et al.			
11	AJ	5,814,308	09/29/1998	Ke Zhang			
11	AK	5,851,832	12/22/1998	Weiss et al.			
11	AL	5,885,956	03/23/1999	Nardi and Brand			
11	AM	5,886,141	03/23/1999	Folkman et al.			
11	AN	5,902,799	05/11/1999	Herrmann et al.			
11	AO	5,980,885	11/09/1999	Weiss and Reynolds			
11	AP	5,981,165	11/09/1999	Weiss and Reynolds			

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56	AQ	6,011,004	01/04/2000	Kessler and Apfel					
"	AR	6,013,762	01/11/2000	Folkman et al.					
"	AS	6,071,889	06/06/2000	Weiss et al.					
"	AT	6,114,307	09/05/2000	Jaspers et al.					
"	AU	6,232,288 B1	05/15/2001	Itaru Kojima					
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"	AW	6,326,201 B1	12/04/2001	Fung et al.					

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EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
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"	AY	0 154 434 A1	09/11/1985	EP			
"	AZ	WO 94/16718	08/04/1994	PCT			
"	BA	WO 98/22127	05/28/1998	PCT			
"	BB	WO 99/06060	02/11/1999	PCT			
"	BC	WO 00/44400	08/03/2000	PCT			

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

56	BD	Blikslager, Anthony T. et al., "Glutamine and Transforming Growth Factor- $\alpha$ Stimulate Extracellular Regulated Kinases and Enhance Recovery of Villous Surface Area In Porcine Ischemic-Injured Intestine," <i>Surgery</i> , Vol. 125, No. 2, February 1999, pgs. 186-194.
"	BE	Blikslager, A.T. et al., "Glutamine and Transforming Growth Factor Alpha Enhance Repair of Intestinal Ischemia/Reperfusion Injury," <i>Supplement to Gastroenterology</i> , Vol. 110, No. 4, April 1996, Abstract pg. A313.

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58	BF	Brand, Stephan A. et al., "Prolonged Efficacy of Islet Neogenesis Therapy with Gastrin and TGF $\alpha$ In Mature Rats with Preexisting Diabetes," <i>Diabetes</i> , Vol. 50 (Supplement), 2001, pg. A338.5630.
11	BG	Burgel, Pierre-Regis et al., "Human Eosinophils Induce Mucin Production In Airway Epithelial Cells Via Epidermal Growth Factor Receptor Activation," <i>The Journal of Immunology</i> , 2001, pgs. 5948-5954.
11	BH	Carpenter, Graham et al., "Antibodies to the Epidermal Growth Factor Recptor Block the Biological Activities of Sarcoma Growth Factor," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 80, September 1983, pgs. 5627-
11	BI	Chamberlin, Stephen G. et al., "Constrained Peptide Analogues of Transforming Growth Factor- $\alpha$ Residues Cysteine 21-32 Are Mitogenically Active," <i>The Journal of Biological Chemistry</i> , Vol. 270, No. 36, September 8, 1995, pgs. 21062-21067.
11	BJ	Chosidow, O. et al., "Tripe Palms Associated With Systemic Mastocytosis: The Role of Transforming Growth Factor- $\alpha$ and Efficacy of Interferon-Alfa," <i>British Journal of Dermatology</i> , Vol. 138, 1998, pgs. 698-703.
11	BK	Chou and Fasman, "Prediction of Protein Conformation," <i>Biochemistry</i> , Vol. 13, No. 2, 1974, pgs. 222-245.
11	BL	Coffey, Robert J. et al., "Transforming Growth Factors and Related Peptides in Gastrointestinal Neoplasia," <i>Journal of Cellular Biochemistry</i> , Supplement 16G, 1992, pgs. 111-118.
11	BM	Dayhoff, M.O. et al., "A Model of Evolutionary Change in Proteins," <i>Atlas of Protein Sequence and Structure</i> , 1972, pgs. 89-99.
11	BN	De Larco, Joseph E. et al., "Sarcoma Growth Factor from Mouse Sarcoma Virus-Transformed Cells," <i>The Journal of Biological Chemistry</i> , Vol. 255, No. 8, April 25, 1980, pgs. 3685-3690.
11	BO	Draoui, Muriel et al., "TGF $\alpha$ -PE40 Inhibits Non-Small Cell Lung Cancer Growth," <i>Life Sciences</i> , Vol. 54, No. 7, 1994, pgs. 445-453.
11	BP	Dunbar and Goddard, "Structure-function and Biological Role of Betacellulin," <i>The International Journal of Biochemistry &amp; Cell Biology</i> , Vol. 32, 2000, pgs. 805-815.

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36	BQ	Ebadi, M. et al., "Neurotrophins and Their Receptors In Nerve Injury and Repair," <i>Neurochem. Int.</i> , Vol. 30, Nos. 4/5, 1997, pgs. 347-374.
11	BR	Egger, B. "Reduced Susceptibility of Mice Overexpressing Transforming Growth Factor $\alpha$ To Dextran Sodium Sulphate Induced Colitis," <i>Gut</i> , Vol. 43, 1998, pgs. 64-70.
11	BS	Faber-Elman, A. et al., "Involvement of Wound-Associated Factors In Rat Brain Astrocyte Migratory Response to Axonal Injury In Vitro Simulation," <i>J. Clin. Invest.</i> , Vol. 97, No. 1, January 1996, pgs. 162-171.
11	BT	Ferrar, Isidre et al., "Transforming Growth Factor- $\alpha$ (TGF- $\alpha$ ) and Epidermal Growth Factor-Receptor (EGF-R) Immunoreactivity In Normal and Pathologic Brain," <i>Progress In Neurobiology</i> , Vol. 49, 1996, pgs. 99-123.
11	BU	Ghielli, Manuela et al., "Regeneration Processes In the Kidney After Acute Injury: Role of Infiltrating Cells," <i>Exp. Nephrol.</i> , Vol. 6, 1998, pgs. 502-507.
11	BV	Hardie, William D. et al., "Dose-Dependent Lung Remodeling In Transgenic Mice Expressing Transforming Growth factor- $\alpha$ ," <i>Am. J. Physiol. Lung Cell. Mol. Physiol.</i> , Vol. 281, 2001, pgs. L1088-L1094.
11	BW	Hardie, William D. et al., "Attenuation of Acute Lung Injury In Transgenic Mice Expressing Human Transforming Growth factor- $\alpha$ ," <i>Am. J. Physiol.</i> , Vol. 277, 1999, pgs. L1045-L1050.
11	BX	Heidenkummer and Kampik, "Immunohistochemical Localization of Epidermal Growth Factor Receptor In A Human Epiretinal Membrane," <i>Graefe's Arch. Clin. Exp. Ophthalmol.</i> , Vol. 229, 1991, pgs. 492-496.
11	BW	Ibbotson, K.J. et al., "Tumor-Derived Growth Factor Increases Bone Resorption in A Tumor Associated with Humoral Hypercalcemia of Malignancy," <i>Science</i> , Vol. 221, pgs. 1292-1294, 1983.
11	BZ	Jackowski, Andre, "Neural Injury Repair: Hope For the Future As Barriers to Effective CNS Regeneration Become Clearer," <i>British Journal of Neurosurgery</i> , Vol. 9, 1995, pgs. 303-317.

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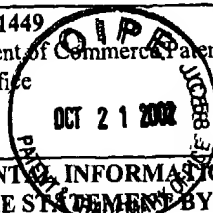
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56	CA	Jackson, Bruce A. et al., "Effects of transforming Growth Factor $\beta$ and Interleukin-1 $\beta$ on Expression of Cyclooxygenase 1 and 2 and Phospholipase A <sub>2</sub> mRNA In Lung Fibroblasts and Endothelial Cells in Culture," <i>Biochemical and Biophysical Research Communications</i> , Vol. 197, No. 3, December 30, 1993, pgs. 1465-1474.
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((	CC	Jones, M.K. et al., "Gastrointestinal Mucosal Regeneration: Role of Growth Factors," <i>Frontiers in Bioscience</i> , Vol. 4, March 15, 1999, pgs. d303-309.
((	CD	Kheradmand, Farrah et al., "Transforming Growth Factor- $\alpha$ Enhances Alveolar Epithelial cell Repair In a New In Vitro Model," <i>Am. J. Physiol.</i> , Vol. 267, 1994, pgs. L728-L738.
((	CE	Kobayashi, Kenzo et al., "The Mechanisms of Gastrointestinal Mucosal Injury and Repair," <i>Japanese Journal of Clinica</i> , Vol. 56, No. 9, September 15, 1998, pgs. 7 (2215)-14 (2222) (English abstract).
((	CF	Konturek, Peter Ch. Et al., "Epidermal Growth Factor and Transforming Growth Factor- $\alpha$ : Role In Protection and Healing of Gastric Mucosal Lesions," <i>European Journal of Gastroenterology &amp; Hepatology</i> , Vol. 7, 1995, pgs. 933-938.
((	CG	Konturek, S.J. et al., "Transforming Growth Factor Alpha and Epidermal Growth Factor In Protection and Healing of Gastric Mucosal Injury," <i>Scand. J. Gastroenterol.</i> , Vol. 27, 1992, pgs. 649-655.
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((	CI	Kudlow, Jeffrey E. et al., "Inability of Anti-Epidermal Growth Factor Receptor Monoclonal Antibody to Block "Autocrine" Growth Stimulation in Transforming Growth Factor-Secreting Melanoma Cells," <i>The Journal of Biological Chemistry</i> , Vol. 259, No. 19, October 10, 1984, pgs. 11895-11900.
((	CJ	Lefebvre, Ph. P. et al., "Regeneration of the Neurosensory Structures in the Mammalian Inner Ear," <i>Acta. Oto-rhino-laryngologica belg.</i> , Vol. 51, 1997, pgs. 1-10.


<b>EXAMINER</b> Stephen Gueler	<b>DATE CONSIDERED</b> 6/24/04
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11	CL	Liu, Dan et al., "TGF- $\alpha$ Can Act as Morphogen and/or Mitogen in a Colon-Cancer Cell Line," <i>Int. J. Cancer</i> , Vol. 56, 1994, pgs. 603-608.
11	CM	Liu, Mark C. et al., "Allergy, Rhinitis, other Respiratory Diseases: Effects of Prednisone On the Cellular Responses and Release of Cytokines and Mediators After Segmental Allergen Challenge of Asthmatic Subjects," <i>Journal of Allergy and Clinical Immunology</i> , Vol. 108, No. 1, July 2001, 16 pages.
11	CN	Liu, Ming et al., "Immunohistochemical Study of Transforming Growth Factor-Alpha in Human Lung Cancers," <i>Tumor Biol.</i> , Vol. 13, 1992, pgs. 294-298.
11	CO	Lord, Bl. Et al., "Kinetics of Neutrophil Production in Normal and Neutropenic Animals During the Response to Filgrastim (r-metHu G-CSF) Filgrastim SD/01 (PEG-r-metHu G-CSF)," <i>Clin. Cancer Res.</i> , Vol. 7 July 2001, pgs. 2085-2090.
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11	CQ	Marquardt, Hans et al., "Transforming Growth Factors Produced By Retrovirus-Transformed Rodent Fibroblasts and Human Melanoma Cells: Amino Acid Sequence Homology with Epidermal Growth Factor," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 80, August 1983, pgs. 4684-4688.
11	CR	Miettinen, Paivi J., "Transforming Growth Factor- $\alpha$ and Epidermal Growth Factor Expression in Human Fetal Gastrointestinal Tract," <i>Pediatric Research</i> , Vol. 33, No. 5, 1993, pgs. 481-486.
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56	CT	Nestor, Jr., John J. et al., "A Synthetic Fragment of Rat Transforming Growth Factor $\alpha$ with receptor Binding and Antigenic Properties," <i>Biochemical and Biophysical Research Communications</i> , Vol. 129, No. 1, May 31, 1985, pgs. 226-232.
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11	CV	Reid, S. et al., "Radial Migration of Subependymal Cells in the Adult Rodent Forebrain," <i>Society for Neuroscience</i> , Vol. 22, 1996, pg. 1956 (Abstract).
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11	DA	Sasada, Reiko et al., "Cloning and Expression of cDNA Encoding Human Betacellulin, A New Member of the EGF Family," <i>Biochemical and Biophysical Research Communications</i> , Vol. 190, No. 3, 1993, pgs. 1173-1179.
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11	DC	Schultz and Twardzik, "Assessment of Biological Activity of Synthetic Fragments of transforming Growth Factor $\alpha$ ," <i>Methods In Enzymology</i> , Vol. 198, 1991, pgs. 200-213.
11	DD	Shing, Y. et al., "Betacellulin: A Mitogen from Pancreatic $\beta$ Cell Tumors," <i>Science</i> , Vol. 259, March 12, 1993, pgs. 1604-1607.

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11	DF	Song, Si young et al., "Expansion of Pdx1-Expressing Pancreatic Epithelium and Islet Neogenesis in Transgenic Mice Overexpressing Transforming Growth Factor $\alpha$ ," <i>Gastroenterology</i> , Vol. 117, 1999, pgs. 1416-1426.
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56	DO	Zhang, Maobin et al., "Transforming Growth Factor $\alpha$ and a PC 12-Derived Growth Factor Induce Neurites in PC12 Cells and Enhance the Survival of Embryonic Brain Neurons," <i>Cell Regulation</i> , Vol. 1, June 1990, pgs. 511-521.
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